

CURRICULUM VITAE

Dr. GURUSAMY MANOKARAN

MBBS., M.S., (General Surgery) M.Ch., (Plastic surgery) FICS (Plastic Surgery), FRCS (Glasgow)
Senior Consultant Plastic Surgeon and Lymphologist
Apollo Hospital, 21, Greams Road,
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PERSONAL DETAILS

Date of Birth : 09/04/1954

Address :

Home: B. Cornerstone Appartment,
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EDUCATION

- **M.B.B.S.** Madras University : April 1977
- **M.S** (General Surgery), Madras University : April 1982
- **M.Ch.** (Plastic Surgery), Madras University : April 1984
- **F.I.C.S** (Indian Section) : April 1992
- **FRCS** (Glasgow) : 24th Feb 2017

WORK EXPERIENCE

- Tutor in plastic surgery : Kilpauk Medical College : May 1982-1987.
- Asst. Prof of Plastic Surgery : Madras Medical College : May 1987-1991.
- Asst. Prof of Plastic Surgery : Stanley Medical College : May 1991-1993.
- Asst. Prof of Plastic Surgery : Madras Medical College : May 1993-1997.
- Professor of Plastic and Reconstructive Surgery: Madras Medical College June 1996- Jan 1997.
- Present Position : Senior Consultant Plastic Surgeon: Apollo Hospitals and Billroth Hospitals 1991 – To Till date.
- Professor of Plastic and Reconstructive Surgery : Amrita Institute of Medical Sciences and Research Center Cochin from April 2016 – Till Sep 2017.

PROFESSIONAL ACHIEVEMENTS

- Visiting fellow of the INDIAN NATIONAL SCIENCE ACADEMY to WARSAW, POLAND ON LYMPHOLOGY. For 6 Months in 1989.
- Visited Dr. Leo Claudius Institute of Plastic Surgery at Zurich, Weitzerland, in 1990.
- Visited Dr. J. R Calily Sminth's Center for Lymphology in Adelaide, Southern Australia 1991.
- Visited Red Cross Hospital. Lymphology Dept. Dr. Iwana Wedurgh in 1992.
- Visiting fellow of the WHO to RECIFI, Brazil, in 1995 Sponcered by NIH, U.S.A.
- Visited the Foldi Knlinick, Hinterzarten, Germany 5 times Visited the Arizona University Medical Center, Lymphology Dept with Dr. M. WHITE and took Surgical rounds and Delivered Charless Write Memorial Lecture 1991.

- Visited National Institute of Health Science in 1995, 1997 and in 2006 as a Colloborator for the Research in Lymphatic Filariasis Vaccination Program.
- Received the Bharath Jothi Award by the Friendship – International Society New Delhi 2008.
- Guide and examiner for Ph.D in ANNA University Center for Biotechnology from 1998 and Madras University in 2014.
- Nominated as Honorary Editor for the Worlds WHO is WHO Book in 2006.
- Received the Life Time Achievement Special Award from the Polish Academy of Medical Science in 2008.
- Awarded the fellowship in Cosmetic Surgery by the Monash University, Melbourne, Australia 2007.
- Delivered Prof. Jamal Endoment Oration in RMRC Bhuwaneshwar in 2013.

PUBLICATIONS AND CONFERENCE ATTENDED

- Conference attend: Attended many National and International conferences as faculty, chair and presented as many as 200 papers and guest lecturer invited speaker in plastic surgery, burns, and lymphology and aesthetic surgery.
- Publications: 43 articles published in the national and internationally cited journals in plastic surgery, burns, and lymphology.

PROFESSIONAL AFFILIATIONS

- President, International Society of Lymphology 2011-2013
- Charter President of Lymphology Society of India

- Executive Committee Member, Indian Association of Aesthetic Plastic s Surgeons
- Life Member Indian Medical Association
- Life Member Association of Surgeons on India
- Life Member Association of Plastic Surgeons of India
- Life Member Association of Burns Society of India
- Presently Secretary General Lymphology Society of India
- Member International Society of Lymphology
- Member Newyork Academy of Medical Sciences

ADMINISTRATIVE EXPERIENCE

- President Lymphology Society of India for two terms, Secretary General L.S.I for 8 years.
- Organising Secretary 17th International Society of Lymphology Conference at Chennai- 1999.
- Organised many National Conferences and Workshops and Plastic Surgery.
- Executive Committee Member I.S.L for Three terms.
- Treasure Association of Plastic Surgeons of India Conference 2003 at Ooty.
- Organising Secretary, National Conference of Indian Association of Aesthetic Plastic Surgeons and International Society of Aesthetic Plastic Surgery (ISAPS), Andaman Islands, India, in April 2010.

CONTRIBUTION OF LYMPHOLOGY

- Working in Lymphology and helping lymphodema patients since 1979.
- Visited and Trained in various international lymphology centers.

- Started the first integrated lymphoedema management center at Apollo Hospitals, Chennai, and still heading the department.
- Started The Lymphology Society of India in 1995 as its Charter presidents and still running to have a forum for Indian Lymphologists as its secretary general.
- Organised the 17th International Society of Lymphology congress in Chennai.
- Performed the first nodovenal shunt for the treatment of chylothorax and chylocrea along with de-lymphatisation of the affected kidney.
- Demonstrated the use of bilateral nodovenal shunt in the management of genital lymphoedema in filariasis.
- Established a new protocol for the management of lymphoedema using modified techniques of MLD nodovenal shunt and sculpting surgery for lymphatic filariasis.
- Collaborated with WHO and Anna University center for Biotechnology in various research for morbidity control, elimination and vaccination for lymphatic filariasis.
- Collaborated with Dr. W.L. Olswaski and published many research articles in various international journals.
- Took part at various congresses all over the world and presented our work in lymphology.
- Established the imaging of lymphatic system with various diagnostics for lymphatic filariasis in India under one roof.
- Done more than 5000 surgeries for lymphoedema.
- Appointed as temporary adviser for developing protocol for hydrocele due to lymphatic filariasis.
- Developed a new technique of surgery for Lymphoedema and Genital Oedema and published in lymphology journal 2015.

PUBLICATIONS

1. Shiny C, Krushna NS, Babu S, Elango S, Manokaran G, Narayanan RB. Recombinant Wolbachia heat shock protein 60 (HSP60) mediated immune responses in patients with lymphatic filariasis. *Microbes and infection*. 2011 Dec 31;13(14):1221-31.
2. Shiny C, Krushna NS, Haripriya K, Babu S, Elango S, Manokaran G, Narayanan RB. Recombinant Wolbachia surface protein (WSP)-induced T cell responses in *Wuchereria bancrofti* infections. *Parasitology research*. 2012 Feb 1;110(2):787-97.
3. Krushna NS, Shiny C, Manokaran G, Elango S, Babu S, Narayanan RB. Immune responses to recombinant *Brugia malayi* pepsin inhibitor homolog (Bm-33) in patients with human lymphatic filariasis. *Parasitology research*. 2011 Feb 1;108(2):407-15.
4. Manokaran G, Kaur V, Narahari SR, Ryan TJ. Silver bullets, shotguns, and integrative community-based approach to lymphedema from lymphatic filariasis in India. *Lymphology*. 2007 Jun 1;40(2):95-8.
5. Shelley S, Manokaran G, Indirani M, Gokhale S, Anirudhan N. Lymphoscintigraphy as a diagnostic tool in patients with lymphedema of filarial origin—an Indian Study. *Lymphology*. 2006 Jun;39(2):69-75.
6. Lymphology filariasis, Manokaran G, *Lymphology* , 2005 Jun: 38(2): 105. No abstract available.

7. Olszewski WL, Jamal S, Manokaran G, Tripathi FM, Zaleska M, Stelmach E. The effectiveness of long-acting penicillin (penidur) in preventing recurrences of dermatolymphangioadenitis (DLA) and controlling skin, deep tissues, and lymph bacterial flora in patients with " filarial" lymphedema. *Lymphology*. 2005 Jun;38(2):66-80.
8. Ramadass T, Manokaran G, Pushpala SM, Narayanan N, Kulkarni GN. Oral submucous fibrosis—new dimensions in surgery. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2005 Apr 1;57(2):99-102.
9. Swoboda-Kopeć E, Luczak M, Lukomska B, Olszewski WL, Jamal S, Manokaran G, Stelmach E, Zalewska M. Bacterial infections of skin and soft tissues in filariasis. *Medycyna doświadczalna i mikrobiologia*. 1999;51(3-4):347-55.
10. Olszewski WL, Jamal S, Manokaran G, Pani S, Kumaraswami V, Kubicka U, Lukomska B, Tripathi FM, Swoboda E, Meisel-Mikolajczyk F, Stelmach E. Bacteriological studies of blood, tissue fluid, lymph and lymph nodes in patients with acute dermatolymphangioadenitis (DLA) in course of 'filarial' lymphedema. *Acta tropica*. 1999 Oct 15;73(3):217-24.
11. Manokaran G. Surgical management of manifestations in filariasis. *Indian Journal of Clinical Biochemistry*. 1997 Dec 1;12:22.
12. Olszewski WL, Jamal S, Manokaran G, Pani S, Kumaraswami V, Kubicka U, Lukomska B, Dworzczynski A, Swoboda E, Meisel-Mikolajczyk F. Bacteriologic

studies of skin, tissue fluid, lymph, and lymph nodes in patients with filarial lymphedema. The American journal of tropical medicine and hygiene. 1997 Jul 1;57(1):7-15.

13. Olszewski WL, Jamal S, Manokaran G, Lukomska B, Kubicka U. Skin changes in filarial and non-filarial lymphoedema of the lower extremities. Tropical medicine and parasitology: official organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ). 1993 Mar;44(1):40-4.

14. Olszewski WL, Jamal S, Lukomska B, Manokaran G, Grzelak I. Immune proteins in peripheral tissue fluid-lymph in patients with filarial lymphedema of the lower limbs. Lymphology. 1992 Dec 1;25(4):166-71.

15. Kumar KL, Manokaran G. GENITAL LYMPHEDEMA: A NEW TECHNIQUE OF CORRECTION SURGERY. Lymphology. 2015 Sep;48(3):153-6.

16. Genital Lymphoedema a new technique for correction surgery correctly involved with morbidity control and new drug initiative for filariasis with DNDI, Interested in healthcare Management and administrative work.

17. Written three chapters in a book:
Lymphoedema by Springer publishers – 2011.07.004
A Concise compendium of theory and practice by B.B Lee, John Bergan, Stanley G Rockson.
Chapter 43. Lymph node – Venous Microvascular Reconstructive Surgery: Filariasis Lymphoedema page 365-368.
Chapter 48: Surgery, General Principles. P 399-401
Chapter 58: Filariasis Lymphedema Clinical overview – Diagnosis and Management p 477-488.